

Prairie Island 2

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



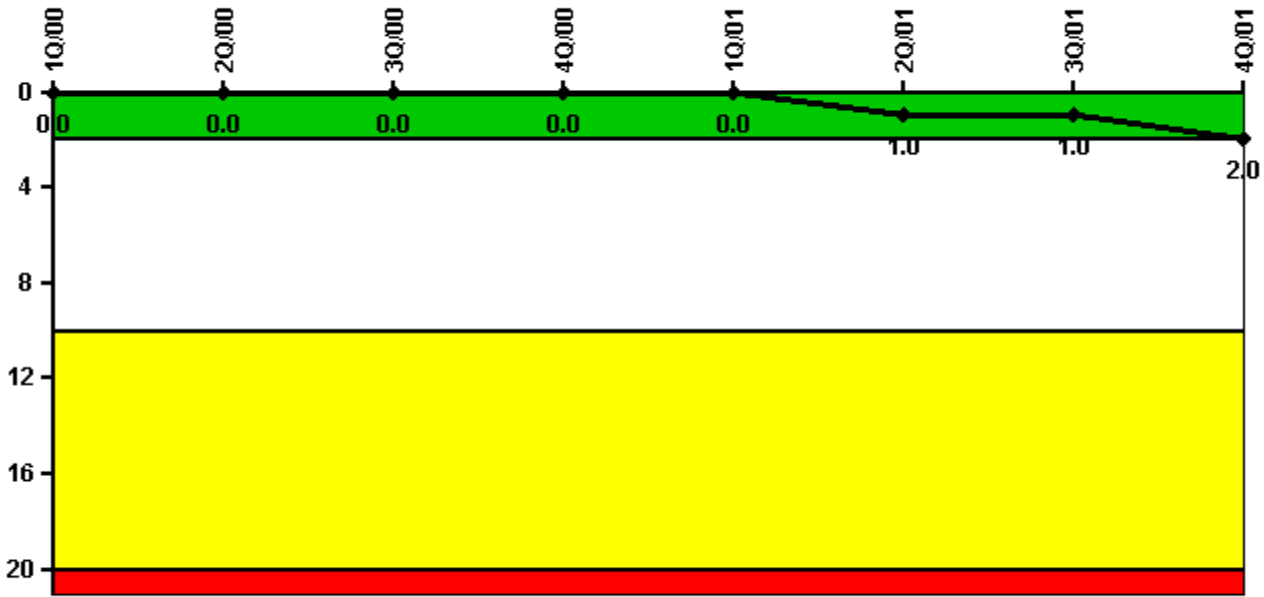
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	1.0	0	0	0	1.0	0	1.0
Critical hours	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3
Indicator value	0	0.9	0.9	0.9	0.9	0.9	0.9	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



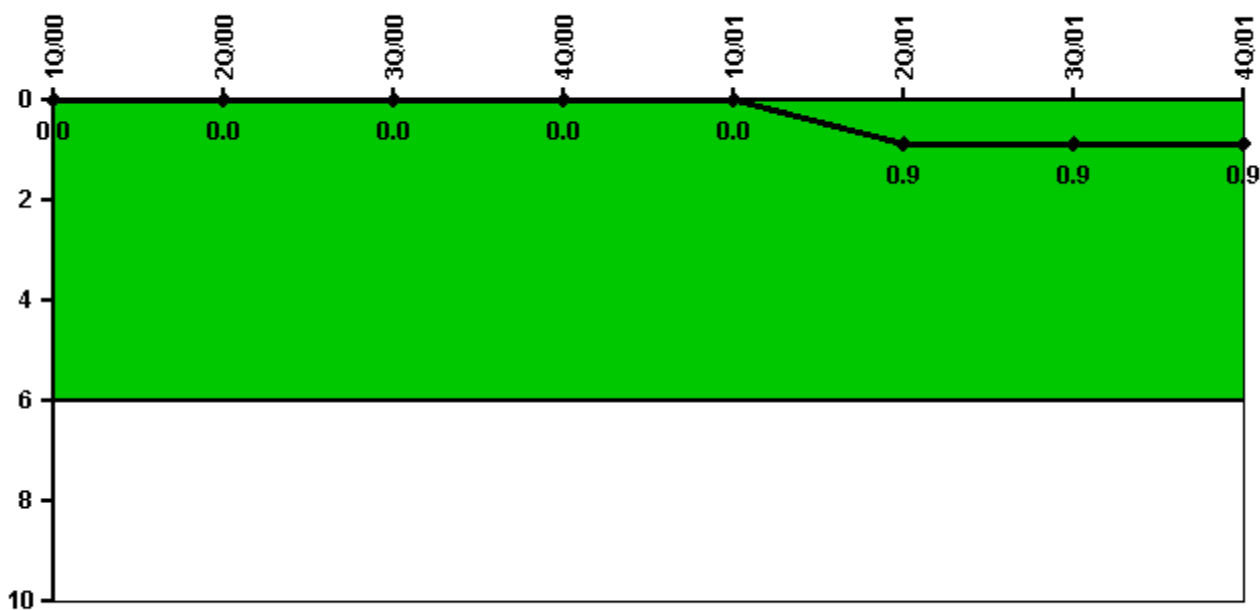
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	1.0	0	1.0
Indicator value	0	0	0	0	0	1.0	1.0	2.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



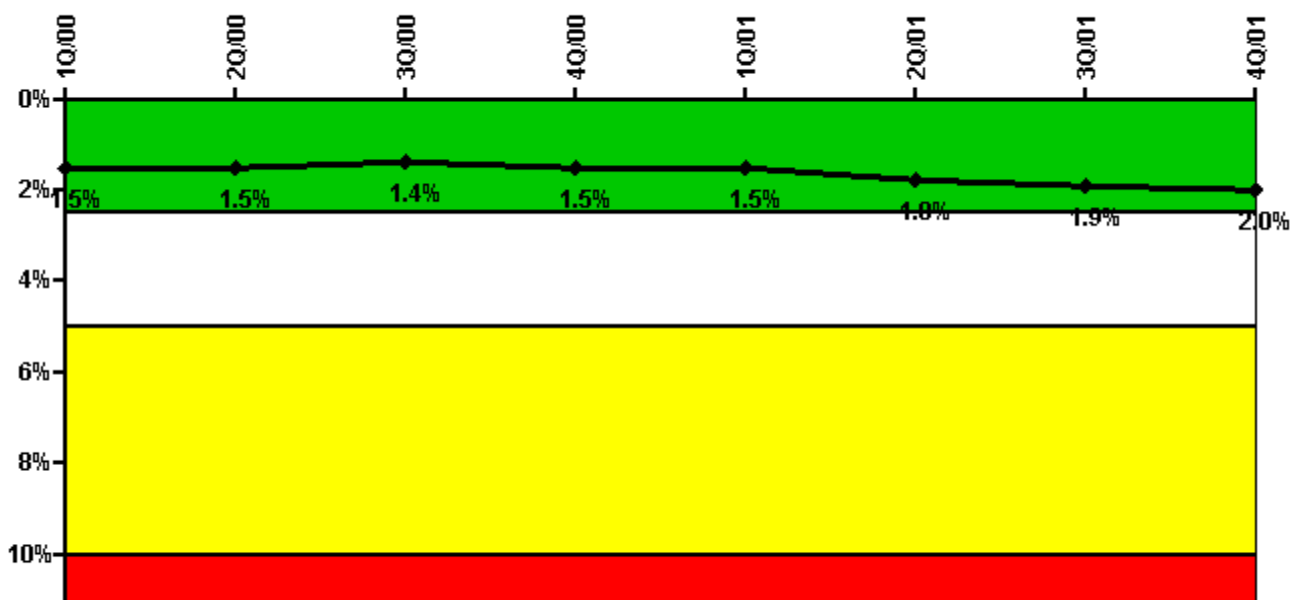
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	1257.2	2208.0	2209.0	2160.0	1560.7	2208.0	2163.3
Indicator value	0	0	0	0	0	0.9	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



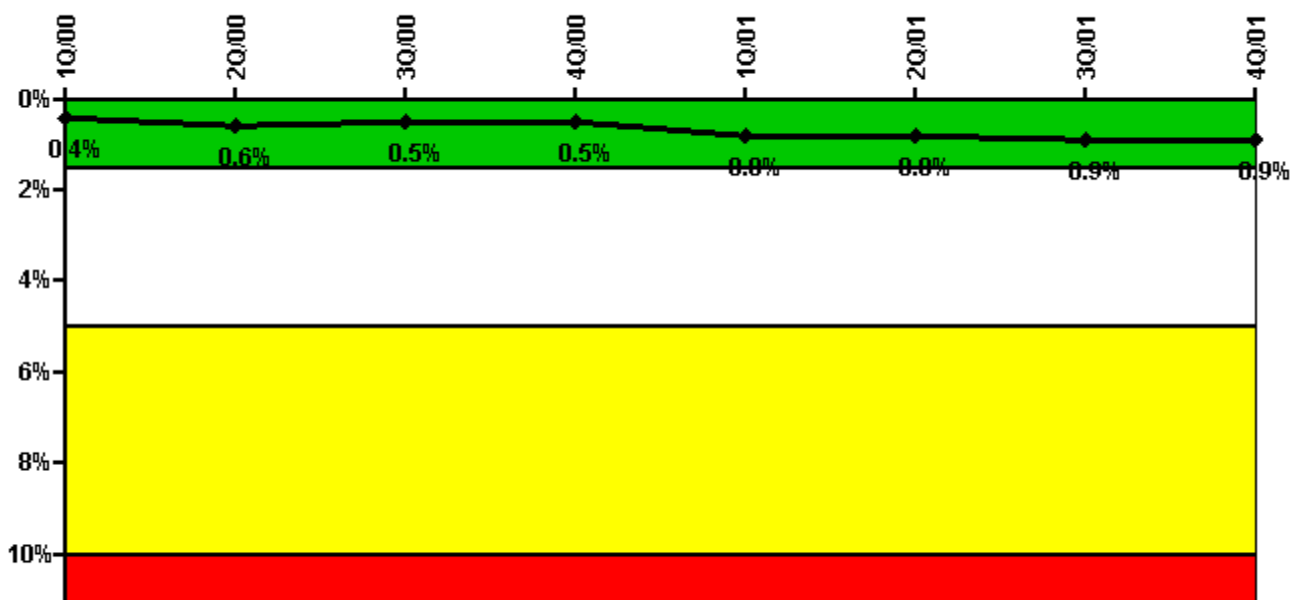
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	5.37	3.79	6.30	10.27	20.07	2.02	28.68	28.13
Unplanned unavailable hours	9.10	0	0	15.17	6.53	27.25	4.18	0
Fault exposure hours	340.05	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	16.20	5.23	6.40	5.51	6.18	28.60	8.07	5.35
Unplanned unavailable hours	31.50	0	15.75	1.62	0	199.42	0	17.42
Fault exposure hours	0	0	0	0	0	0	0	8.78
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.5%	1.5%	1.4%	1.5%	1.5%	1.8%	1.9%	2.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



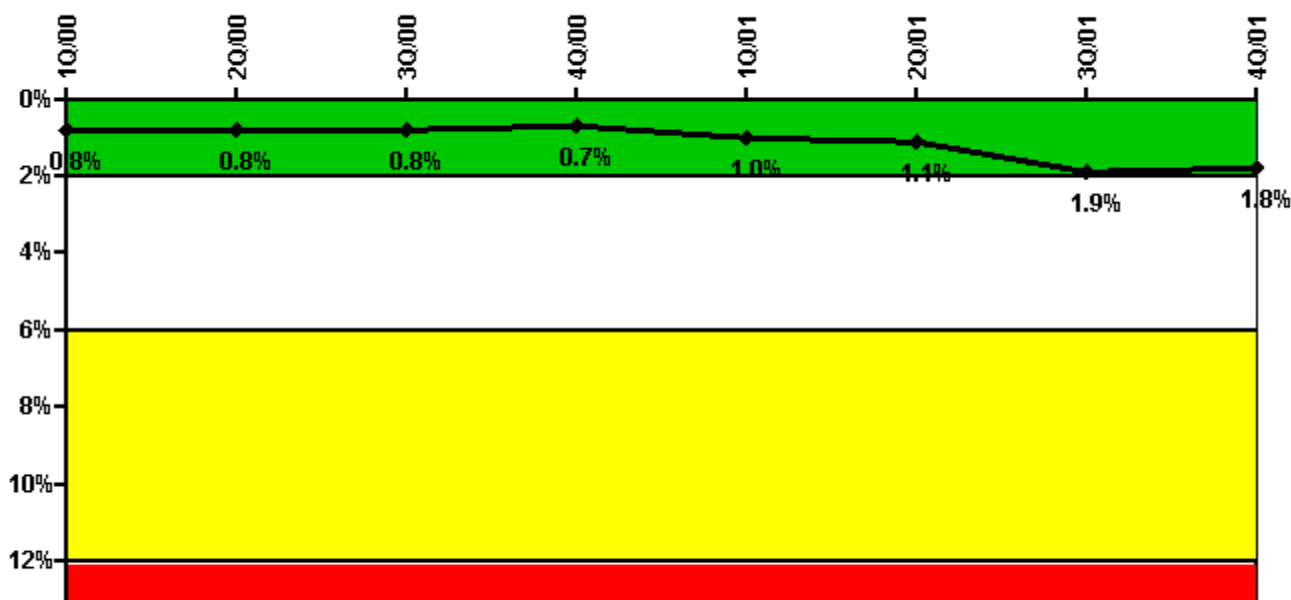
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	8.85	33.00	1.87	2.03	140.13	9.23	46.89	1.81
Unplanned unavailable hours	0	14.07	0	27.92	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Train 2								
Planned unavailable hours	1.06	20.67	9.20	0.85	1.05	10.79	22.66	14.07
Unplanned unavailable hours	0	0.35	0	7.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Indicator value	0.4%	0.6%	0.5%	0.5%	0.8%	0.8%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



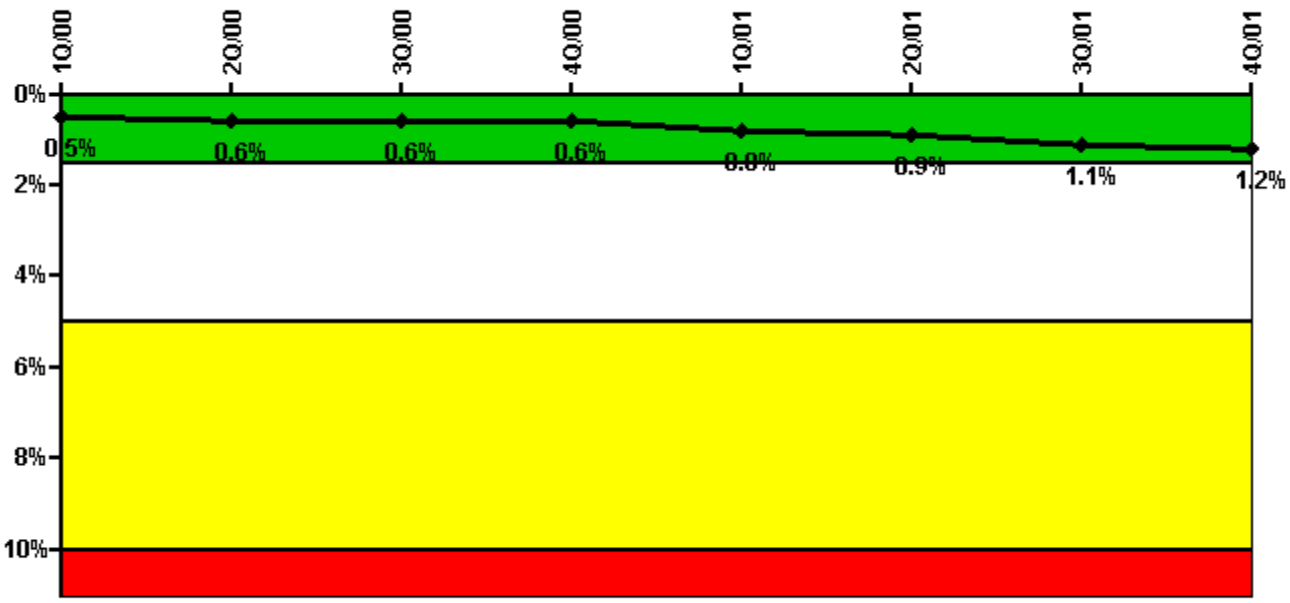
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	13.04	8.75	8.63	7.01	145.70	8.79	10.84	6.07
Unplanned unavailable hours	44.05	11.37	0	4.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Train 2								
Planned unavailable hours	5.72	7.16	7.69	32.85	15.27	13.75	10.73	22.86
Unplanned unavailable hours	0	0.58	0	7.50	0	8.50	13.97	0
Fault exposure hours	0	0	0	0	0	0	390.88	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1257.14	2208.00	2209.00	2160.00	1560.70	2208.00	2163.30
Indicator value	0.8%	0.8%	0.8%	0.7%	1.0%	1.1%	1.9%	1.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



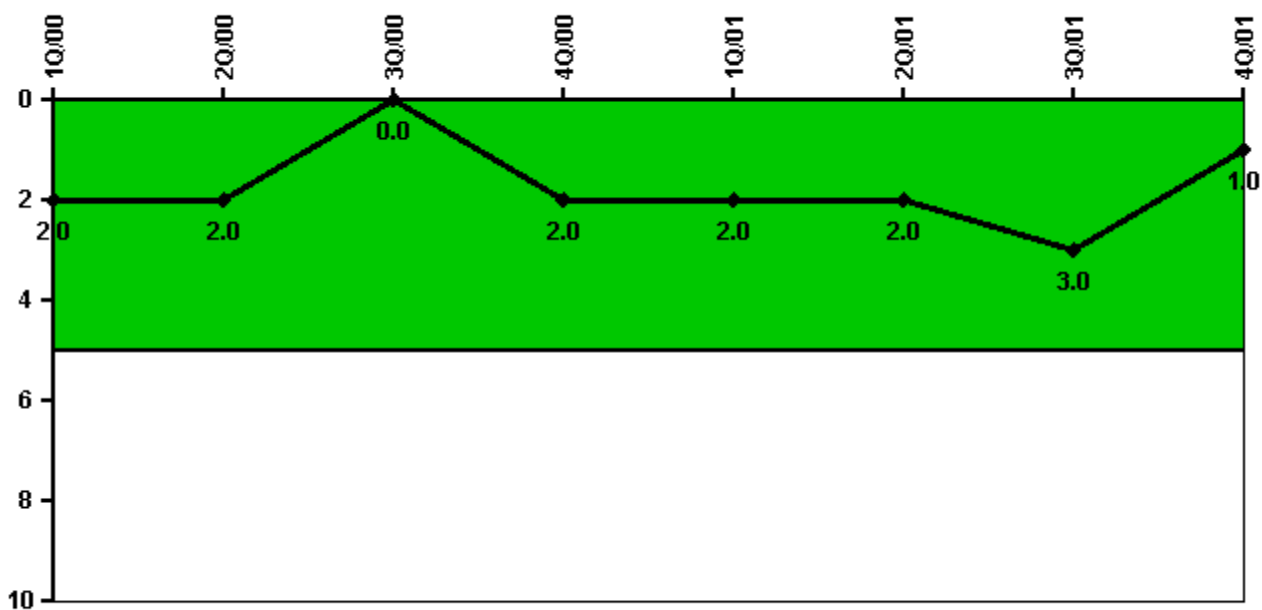
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	8.95	33.84	13.00	14.34	140.23	10.18	72.87	43.88
Unplanned unavailable hours	0	14.07	0	27.92	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.13	21.20	18.60	0.93	1.15	19.83	23.11	24.52
Unplanned unavailable hours	0	0.35	0	7.50	0	23.03	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2057.75	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.6%	0.6%	0.6%	0.8%	0.9%	1.1%	1.2%

Licensee Comments: none

Safety System Functional Failures (PWR)



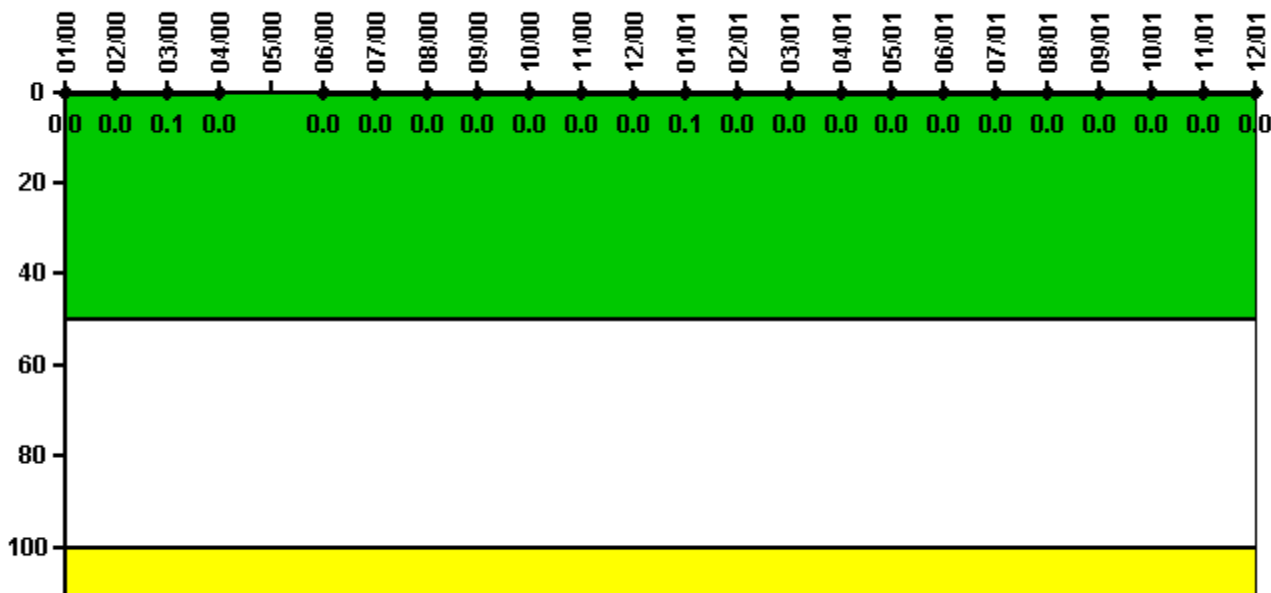
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	0	0	0	2	0	0	1	0
Indicator value	2	2	0	2	2	2	3	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

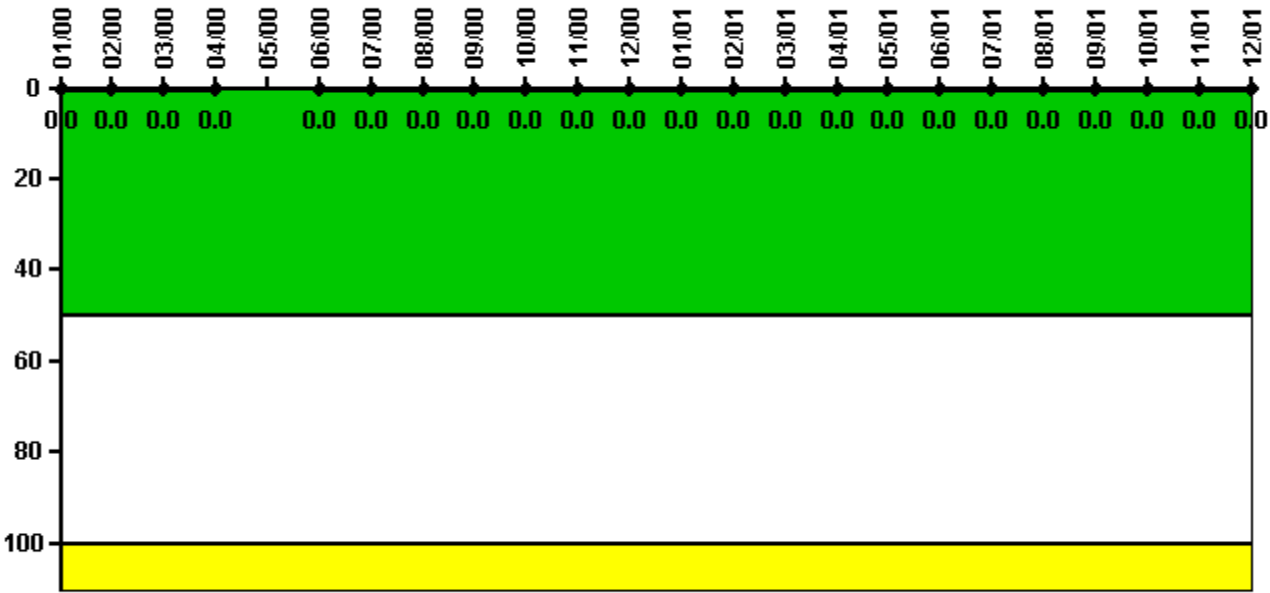
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000470	0.000480	0.000500	0.000480	N/A	0.000230	0.000260	0.000390	0.000280	0.000300	0.000320	0.000390
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0.1	0	N/A	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000700	0.000360	0.000350	0.000370	0.000370	0.000370	0.000440	0.000420	0.000450	0.000430	0.000450	0.000450
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

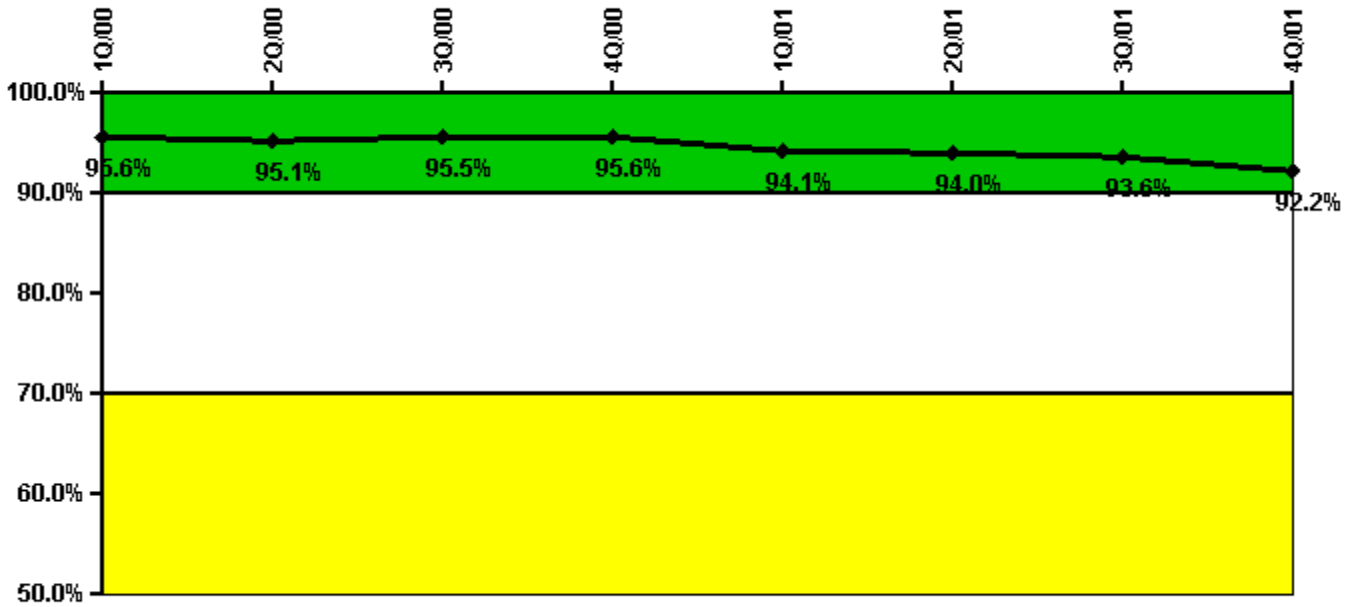
Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0	0	0	0	N/A	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	N/A	0	0	0	0	0	0	0

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0	0	0	0	0	0	0	0	0	0	0	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Drill/Exercise Performance



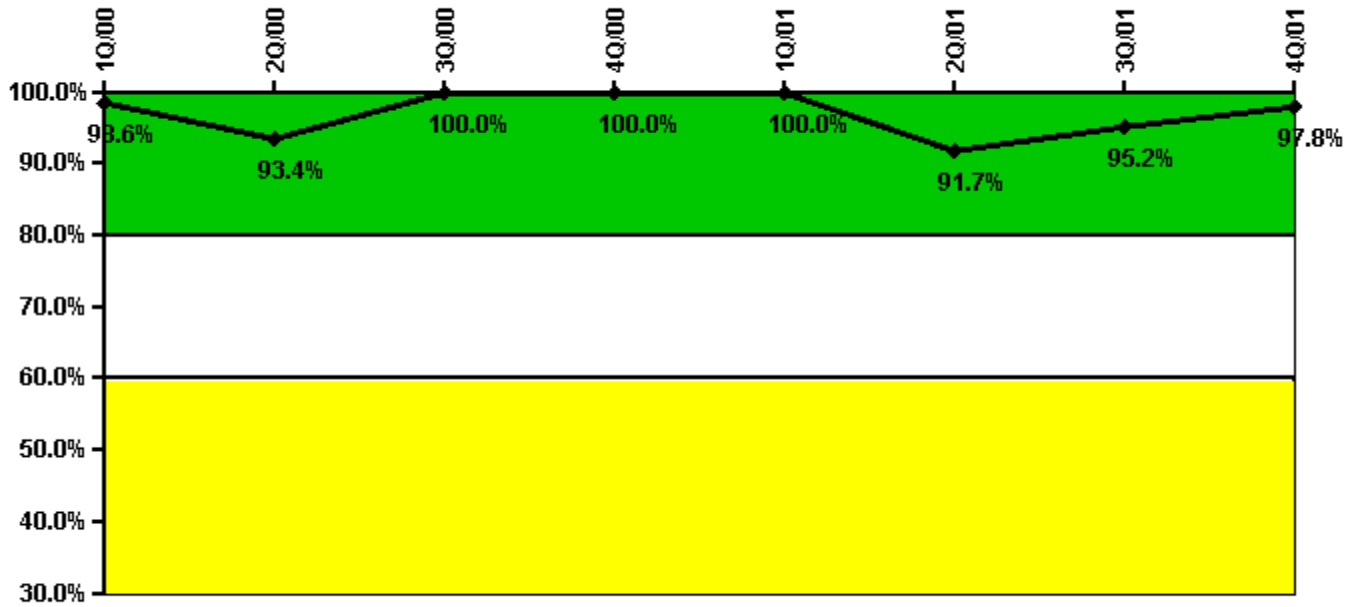
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	12.0	2.0	45.0	31.0	41.0	8.0	30.0	44.0
Total opportunities	14.0	2.0	47.0	33.0	47.0	8.0	31.0	49.0
Indicator value	95.6%	95.1%	95.5%	95.6%	94.1%	94.0%	93.6%	92.2%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

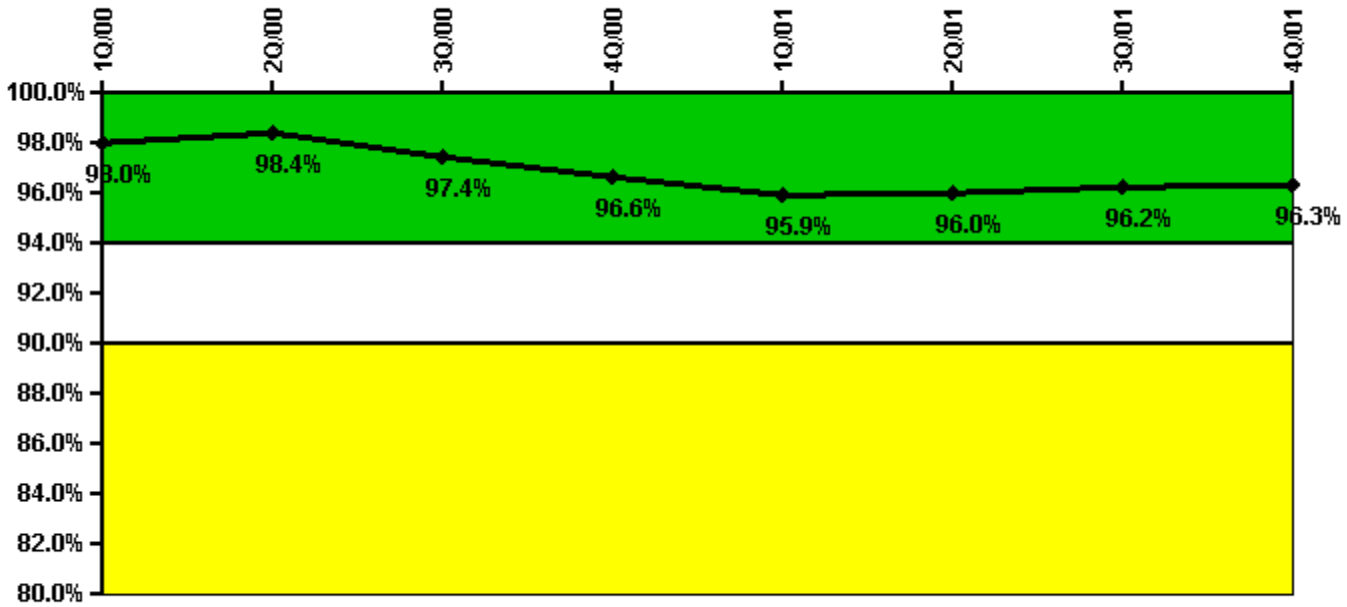
Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	73.0	71.0	69.0	71.0	68.0	66.0	79.0	88.0
Total Key personnel	74.0	76.0	69.0	71.0	68.0	72.0	83.0	90.0
Indicator value	98.6%	93.4%	100.0%	100.0%	100.0%	91.7%	95.2%	97.8%

Licensee Comments:

3Q/01: A change in the 3Q2001 ERO Participation performance indicator data was identified during the review of the 4Q2001 data. This change resulted in an indicator change from 95.1% to 95.2% and did not result in a threshold color change.

Alert & Notification System



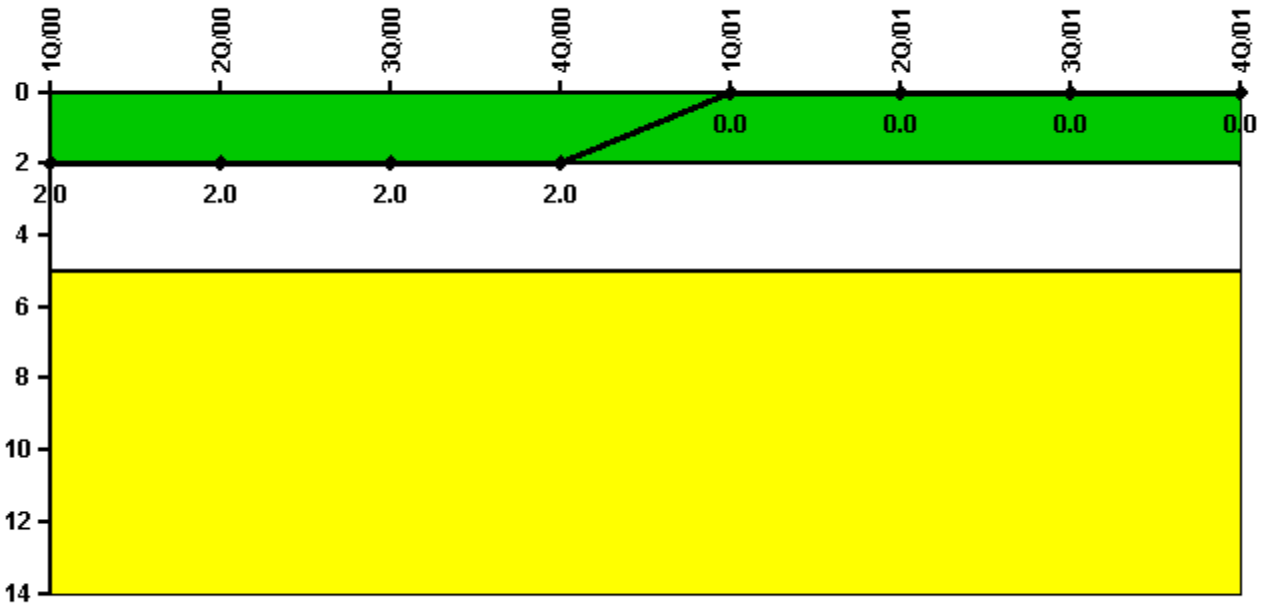
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	308	306	290	302	299	307	292	304
Total sirens-tests	312	312	312	312	312	312	312	312
Indicator value	98.0%	98.4%	97.4%	96.6%	95.9%	96.0%	96.2%	96.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
High radiation area occurrences	2	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	2	2	2	2	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



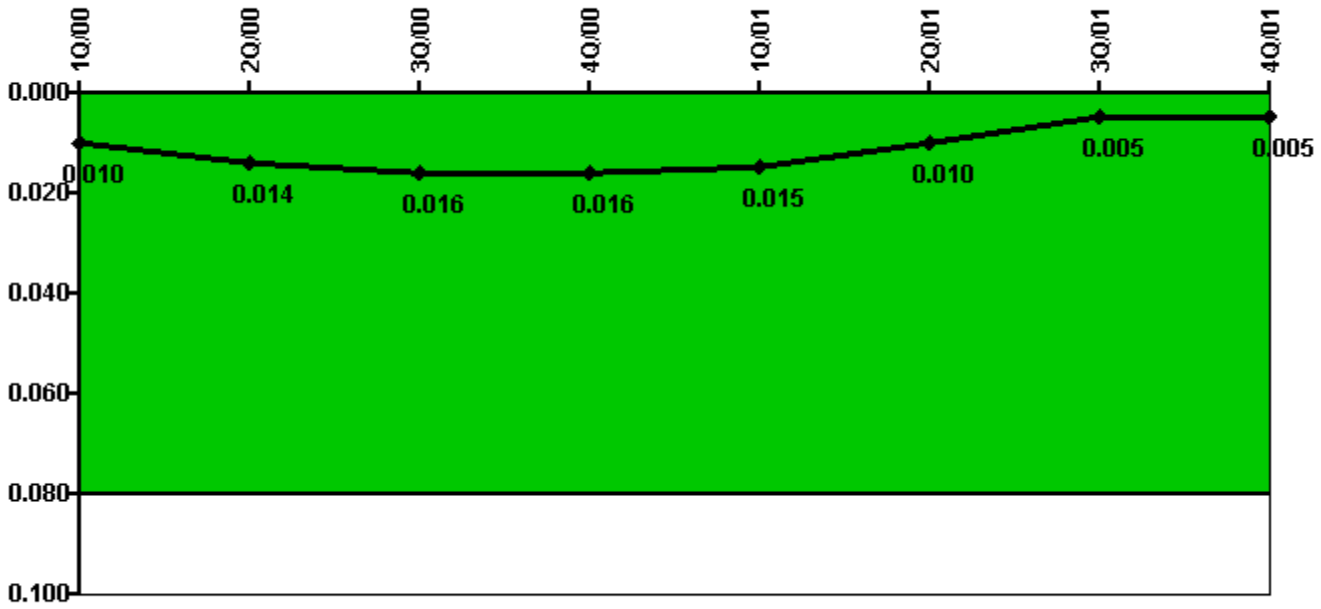
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	37.03	155.08	112.69	11.89	18.89	55.99	12.57	8.11
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.014	0.016	0.016	0.015	0.010	0.005	0.005

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002